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## In The Claims:

Please withdraw claims 1-4, amend claims 7, 10, and 18, and add new claim 19.

1. (Withdrawn) A wing door opening/closing apparatus for swinging up a wing door pivotally mounted to a box body of a in the vicinity of a roof portion of the box body so that said wing door overlies said roof portion and lateral sides of said box body, characterized in that

the wing door opening/closing apparatus is formed by combining a plurality of wing door opening/closing devices having respective different moment characteristics representing a relationship between a moment caused by the weight of the wing door being rotated and at least one moment generated by the respective wing door opening/closing devices or a relation between the angle of rotation of the wing door and at least one moment generated by the wing door opening/closing devices;

at least one of said wing door opening/closing devices including a spring for generating a biasing force for swinging up said wing door and a link mechanism for transmitting the biasing force of said spring to said wing door.

- 2. (Withdrawn) The wing door opening/closing apparatus as defined in claim 1 wherein each of said wing door opening/closing devices includes a spring for generating the biasing force for swinging up said wing door and a link mechanism for transmitting the biasing force of said spring to said wing door.
- 3. (Withdrawn) A wing door opening/closing apparatus for swinging up a wing door pivotally mounted to a box body in the vicinity of a roof portion of the box body so that said wing door overlies said roof portion and lateral sides of said box body, characterized in that

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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below. SUGHRUE MION ZINN MACPEAK & SEAS, PLLC 2100 Pennsylvania Avenue, NW Washington, DC 20037-3213 (Depositor's name) (Signature (Date) APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 09/887,332 06/25/2001 Dong-Seek Park Q64381 6823 TITLE OF INVENTION: MULTIMEDIA MULTIPLEXING METHOD APPLN, TYPE SMALL ENTITY **ISSUE FEE DUE** PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE DUE NO \$1400 \$300 nonprovisional \$0 \$1700 01/03/2007 **EXAMINER** ART UNIT CLASS-SUBCLASS FERRIS, DERRICK W 2616 370-535000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. (2) the name of a single firm (having as a member a Tree Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is Number is required. listed, no name will be printed. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) Please check the appropriate assignee category or categories (will not be printed on the patent):  $\square$  Individual  $\square$  Corporation or other private group entity  $\square$  Government 4a. The following fee(s) are submitted: 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) ☐ Issue Fee A check is enclosed. ☐ Publication Fee (No small entity discount permitted) Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number \_\_\_\_\_\_ (enclose an extra copy of this fo Advance Order - # of Copies (enclose an extra copy of this form). 5. Change in Entity Status (from status indicated above) a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. □ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2). NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office. Authorized Signature Date Typed or printed name Registration No.

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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/887,332	06/25/2001	Dong-Seek Park	Q64381	6823
7590 10/03/2006			EXAMINER	
SUGHRUE MION ZINN MACPEAK & SEAS, PLLC			FERRIS, DERRICK W	
2100 Pennsylvania Avenue, NW			ART UNIT	PAPER NUMBER
Washington, DC 20037-3213			2616 DATE MAIL ED: 10/03/2006	

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 1136 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 1136 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

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the other(s) of said plural wing door opening/closing devices being mounted outside said box frame along a fore-and-aft direction of the box body in a side-by-side relation to said one wing door opening/closing device housed within said box frame.

9. (Previously Submitted) The wing door opening/closing apparatus as defined in claim 5 wherein

said plural wing door opening/closing devices are arranged side-by-side along a vertical direction.

10. (Currently Amended) The wing door opening/closing apparatus as defined in claim 5-7 wherein said first door opening/closing device comprises:

a first-1 link member pivotally connected to the inner side of said wing door, and a first-2 link member pivotally mounted to said box body and pivotally connected to said first-1 link member;

a first-3 link member pivotally connected to said first-2 link member;

a first-1 spring rod connected to said first-3 link member;

a first-1 guide member for translating a connecting point of said first-3 link member and said spring rod; and

a first spring interposed between the box body and the spring rod; and
 said second door opening/closing device comprises:
a second-1 link member pivotally connected to the inner side of said wing door;
 a second spring rod linked to said second-1 link member;

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a second spring interposed between said box body and said second spring rod; and
a second-1 guide member for translating a linking point of said second-1 link
member and said second spring rod.

11. (Previously Submitted) The wing door opening/closing apparatus as defined in claim 5 wherein of said plural wing door opening/closing devices, both said first and second wing door opening/closing devices each comprise:

a first link member connected to the inner side of said wing door;

a spring rod pivotally connected to said second-1 link member:

a spring interposed between said box body and said spring rod; and

a guide member for translating a connecting point between said first link member and said spring rod;

an angle between a spring axis direction of said spring and said first link member in said first wing door opening/closing device being smaller than that in said second wing door opening/closing device in a closed position of said wing door.

12. (Previously Submitted) The wing door opening/closing apparatus as defined in claim 5 wherein of said plural wing door opening/closing devices, both said first and second wing door opening/closing devices each comprises:

a first link member pivotally connected to the inner side of said wing door and pivotally mounted to said box body; and

a spring interposed between said box body and said first link member so as to be pivoted relative to said box body;

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wherein an arm of moment drawn from a pivoted point of said wing to a line interconnecting a point of connection between said spring axis and said first link member and a point of connection between the first link member and the wing door is longer in said first wing door opening/closing device than in second wing door opening/closing device in a closed position of said wing door.

13. (Previously Submitted) The wing door opening/closing apparatus as defined in claim 5 wherein of said plural wing door opening/closing devices, said first wing door opening/closing devices comprises:

a first-1 link member pivotally connected to the inner side of said wing door;

a first-2 link member pivotally mounted to said box body and pivotally connected to said first-1 link member;

a first-3 link member pivotally connected to said first-2 link member;

a first-1 spring rod connected to said first-3 link member;

a first-1 guide member connected to said first-3 link member; and

a first spring interposed between said box body and the spring rod; and

said second wing door opening/closing device comprises:

a second-1 link member pivotally and slidably connected to the inner side of said wing door and pivotally mounted to said box body;

a second spring rod connected to said second-1 link member; and

a second spring pivotally mounted to said box body and pivotally connected to said second-1 link member with or without interposition of said second spring rod.

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14. (Previously Submitted) The wing door opening/closing apparatus as defined in claim 5 wherein of said plural wing door opening/closing devices, said first wing door opening/closing devices comprises:

a first-1 link member pivotally connected to the inner side of said wing door;
a first-2 link member pivotally mounted to said vehicle body and pivotally
connected to said first-1 link member;

a first-3 link member pivotally connected to said first-2 link member;

a first-1 spring rod connected to said first-3 link member;

a first-1 guide member for translating a connecting point between the first-3 link member and said spring rod; and

a first spring interposed between said vehicle body and the spring rod; and said second wing door opening/closing device comprises:

a second-1 link member pivotally connected to the inner side of said wing door;

a second spring member connected to said second-1 link member;

a second spring interposed between said box body and said second spring member for pivoting relative to said box body; and

a second-2 link member pivotally mounted to said box body and connected to a connecting point between said second-1 link member and said second spring rod.

15. (Previously Submitted) The wing door opening/closing apparatus as defined in claim 5 wherein said plural wing door opening/closing devices comprise first and second wing door opening/closing devices having respective different operating ranges.

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16. (Previously Submitted) The wing door opening/closing apparatus as defined in claim 5 further comprising:

a stopper for halting the operation of at least one of said plural wing door opening/closing devices.

17. (Previously Submitted) The wing door opening/closing apparatus as defined in claim 16 wherein the wing door opening/closing device comprises:

a spring for generating a driving force for opening/closing said wing door; and a link mechanism pivotally mounted to said box body, said link mechanism having one side slidably pivotally connected to the inner side of said wing door and having the other side connected to said spring for transmitting a driving force of said spring to said wing door;

a portion of said link mechanism slidingly contacting with said wing door being spaced apart from a slide contact surface of said wing door when said stopper halts operation of said wing door opening/closing device on which acts said stopper.

18. (Currently Amended) The wing door opening/closing apparatus as defined in claim 5 wherein, of said plural wing door opening/closing devices, A wing door opening/closing apparatus for swinging up a wing door pivotally mounted to a box body in the vicinity of a roof portion of the box body so that said wing door overlies said roof portion and lateral sides of said box body, wherein

the wing door opening/closing apparatus is formed by combining a plurality of wing door opening/closing devices having respective different moment characteristics

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representing a relation between the angle of rotation of the wing door and a moment generated by the wing door opening/closing devices;

at least one of said wing door opening/closing devices including a spring that
generates the biasing force for swinging up said wing door and a link mechanism that transmits a
biasing force of said spring to said wing door; and

at least one wing door opening/closing device comprises a torsion spring interposed between the inner side of said wing door and the box body.

19. (new) The wing door opening/closing apparatus as defined in claim 7 wherein

the second wing door opening/closing device applies a swinging-up force to the

wing door during the initial stage of the opening of the wing door, if at a preset rotational angle

of the wing door, ceases to exert the swinging-up force to the wing door.